

CLAIMS

1. An explosive composition comprising a mixture of an oxidiser component;
a fuel component; and a density controlling component in the form of hulls
5 of de-hulled plant grain, which hulls have a density of less than or equal to
0,14g/cc.
2. The explosive of claim 1 wherein the hulls of de-hulled plant grain
comprise rice hulls with a density of less than or equal to 0,14g/cc.
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3. The explosive composition of claim 2 wherein the rice hulls have been
treated to remove the rice hull fines to reduce the density of the rice hulls
to less than or equal to 0,14g/cc.
- 15 4. The explosive composition of claim 1 which has a density of less than 1,1
g/cc.
5. The explosive composition of claim 4 which has a density of 0,45g/cc or
below.
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6. The explosive composition of claim 1 which includes less than 19wt% of
the density controlling component to provide an explosive composition
with a density of less than 0,55g/cc.

7. The explosive composition of claim 1 wherein the oxidiser component comprises an ammonium nitrate (AN) product.
8. The explosive composition of claim 7 wherein the AN product comprises porous prilled AN (PPAN).
9. The explosive composition of claim 1 wherein the fuel component comprises a mineral oil.
10. The explosive composition of claim 9 wherein the mineral oil comprises diesel.
11. The explosive composition of claim 1 wherein the combined oxidiser and fuel components may comprise ANFO which is a combination of ammonium nitrate (AN) and fuel oil (FO).
12. The explosive composition of claim 11 wherein the ANFO comprises heavy ANFO which is a combination of ANFO with an emulsion.
13. A method of preparing an explosive composition comprises mixing together
- an oxidiser component;
 - a fuel component; and
 - and a density controlling component in the form of hulls of de-hulled

plant grain, which hulls have a density of less than or equal to 0,14g/cc.

14. An explosive composition prepared by the method of claim 13.